

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A printer maintenance apparatus for maintaining a printer having a print head, wherein the print head includes a nozzle surface in which a plurality of nozzles are formed, for ejecting ink droplets onto fed printing medium for printing, the apparatus comprising:

a mounting base that is movable forward and backward between a maintenance position and a retraction position, the maintenance position in which the mounting base is opposed to the nozzle surface and the retraction position in which the mounting base is retracted from the print head;

a wiping mechanism being mounted on the mounting base and including a wiper base supported on the mounting base movably toward the nozzle surface and a wiper attached to the wiper base; and

a capping mechanism being mounted on the mounting base and including a cap base supported on the mounting base movably toward the nozzle surface and a cap attached to the cap base;

wherein the cap base moves toward the nozzle surface to move the cap to cover the nozzle surface when the mounting base is at the maintenance position;

the cap base moves retractably from the nozzle surface when the mounting base moves from the maintenance position toward the retraction position;

the wiper base moves toward the nozzle surface relative to the mounting base in order to bring the wiper into contact with the nozzle surface when the mounting base is at the maintenance position; and

the wiper base keeps the wiper in contact with the nozzle surface while the mounting base moves backward from the maintenance position toward the retraction position.

2. (Original) The printer maintenance apparatus according to claim 1, wherein the cap base has an engagement portion which abuts against a fixed portion disposed in the printer, at a forward end of the maintenance position due to a forward motion of the mounting base to the maintenance position, to thereby move the cap base toward the nozzle surface and cover the nozzle surface with the cap.

3. (Original) The printer maintenance apparatus according to claim 1, wherein the wiper base abuts against a fixed portion which abuts against a fixed portion disposed in the printer, at the maintenance portion due to a forward motion of the mounting base to the maintenance position, to thereby move the wiper toward the nozzle surface and bring the wiper into contact with the nozzle surface.

4. (Original) The printer maintenance apparatus according to claim 1, wherein the capping mechanism includes a plurality of link members each supported swingably at one end on the mounting base and supported swingably at the other end on the cap base.

5. (Original) The printer maintenance apparatus according to claim 1, wherein the capping mechanism includes a cam groove inclined to the nozzle surface and a pin slidable in the cam groove, and one of the cam groove and the pin is provided in the mounting base while the other is provided in the cap base.

6. (Original) The printer maintenance apparatus according to claim 1, wherein the capping mechanism allows the cap to leave the nozzle surface due to self-weight of the cap base in backward motion of the mounting base from the maintenance position to the retraction position.

7. (Original) The printer maintenance apparatus according to claim 1, wherein the capping mechanism includes an urging member that urges the cap to leave the nozzle surface.

8. (Original) The printer maintenance apparatus according to claim 1, wherein the wiping mechanism supports the wiper base swingably on the mounting base; and
the wiping mechanism includes an urging member that swings the wiper base to bring the wiper into contact with the nozzle surface.

9. (Original) The printer maintenance apparatus according to claim 8, wherein the wiping mechanism includes a lever supported swingably on the mounting base;
the lever is swingable between a separation position and a wiping position, the separation position where the lever abuts against the wiper base to thereby swing the wiper base against urging of the urging member and make the wiper leave the nozzle surface; the wiping position where the lever brings the wiper into contact with the nozzle surface; and
the lever is swung to the wiping position at a forward end due to a forward motion of the mounting base to the maintenance position.

10. (Original) The printer maintenance apparatus according to claim 9, wherein the wiping mechanism swings the lever to the separation position at a backward end due to a backward motion of the mounting base.

11. (Original) The printer maintenance apparatus according to claim 1, wherein the wiping mechanism supports the wiper base shiftably on the mounting base;
the wiping mechanism includes an urging member that urges the wiper base to leave the nozzle surface;

the wiping mechanism brings the wiper into contact with the nozzle surface due to a forward motion of the mounting base to the maintenance position; and

the wiping mechanism shifts the wiper base by means of the urging member so as to make the wiper leave the nozzle surface.

12. (Previously Presented) A printer comprising:

a print head including a nozzle surface that ejects ink droplets onto fed printing medium;

a mounting base that is movable forward and backward between a maintenance position and a retraction position, the maintenance position in which the mounting base is opposed to the nozzle surface and the retraction position in which the mounting base is retracted from the print head;

a wiping mechanism being mounted on the mounting base and including a wiper base supported on the mounting base movably toward the nozzle surface and a wiper attached to the wiper base; and

a capping mechanism being mounted on the mounting base and including a cap base supported on the mounting base movably toward the nozzle surface and a cap attached to the cap base;

wherein the cap base moves toward the nozzle surface to move the cap to cover the nozzle surface when the mounting base is at the maintenance position;

the cap base moves retractably from the nozzle surface when the mounting base moves from the maintenance position toward the retraction position;

the wiper base moves toward the nozzle surface relative to the mounting base in order to bring the wiper into contact with the nozzle surface when the mounting base is at the maintenance position; and

the wiper base keeps the wiper in contact with the nozzle surface while the mounting base moves backward from the maintenance position toward the retraction position.

13. (Original) The printer according to claim 12, further comprising:

a fixed portion;

wherein the cap base has an engagement portion which abuts against the fixed portion at a forward end of the maintenance position due to a forward motion of the mounting base to the maintenance position, to thereby move the cap base toward the nozzle surface and cover the nozzle surface with the cap.

14. (Original) The printer according to claim 13,

wherein the fixed portion is a lock portion that is disposed at the print head.

15. (Previously Presented) The printer maintenance apparatus according to claim 1,

wherein the wiper base is vertically movable relative to the mounting base.

16. (Previously Presented) The printer according to claim 12,

wherein the wiper base is vertically movable relative to the mounting base.

17. (New) The printer maintenance apparatus according to claim 1, wherein the wiper base keeps the wiper spaced from the nozzle surface while the mounting base moves forward from the retraction position toward the maintenance position.

18. (New) The printer according to claim 12, wherein the wiper base keeps the wiper spaced from the nozzle surface while the mounting base moves forward from the retraction position toward the maintenance position.